

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 5 to 7 and 11 are cancelled and claim 12 is amended and claim 14 is added as set forth hereinafter:

1. (Original) A surgical microscope comprising:

a viewing unit for viewing an object;

an image projection module for inputting image data into said viewing unit;

5 said image projection module including an image display unit for displaying said image data; and,

 said image projection module including a plano-convex lens and a plano-concave lens mounted downstream of said image display unit.

6
2. (Original) The surgical microscope of claim 1, wherein said plano-convex lens has a first focal length and said plano-concave lens has a second focal length; and, the ratio of said first focal length and said second focal length lies within a range

5 from 1.9 to 2.5.

3. (Original) The surgical microscope of claim 1, wherein said viewing unit defines a viewing beam path; and, said image

gr
fr

projection module includes a beam splitter mounted in said viewing beam path.

4. (Original) The surgical microscope of claim 3, wherein said plano-convex lens is a first plano-convex lens; said image projection unit further including a concave-convex lens and a second plano-convex lens; said first plano-convex lens, said 5 plano-concave lens, said concave-convex lens and said second plano-convex lens all being arranged between said image display unit and said beam splitter.

gr

Claims 5 to 7 (Cancelled).

8. (Previously Presented) The surgical microscope of claim 1, wherein said image display unit includes a reflection display driven at a clock frequency and illuminated sequentially with different colors as a function of time.

gr

9. (Previously Presented) The surgical microscope of claim 8, wherein said image display unit includes a rotatably mounted filter wheel for illuminating said reflection display; and, a device for synchronizing the rotation of said filter wheel to 5 said clock frequency of said reflection display.

gr

Claims 10 and 11 (Cancelled).

12. (Currently Amended) ~~The surgical microscope of claim 1, wherein A surgical microscope comprising:~~

a viewing unit for viewing an object;
an image projection module for inputting image data into
5 said viewing unit;
said image projection module including an image display unit
for displaying said image data;
said viewing unit defining a viewing beam path;
an optical device mounted in said viewing beam path for
10 providing an image of said object to a location outside of said
viewing beam path;
an image recording module for recording an image of said
object supplied by said viewing unit; and,
said image recording module including:
15 an image sensor mounted to receive said image data from said
image projection module;
an image recording beam splitter mounted outside of said
viewing beam path for directing said image of the object onto
said image sensor;
20 a recording device connected to said image sensor for
recording said image data and said image of said object; and,
said image display unit includes including a reflection
display; and, wherein the brightness of said image display unit
is increased by providing a time-dependent sequential
25 illumination of said reflection display with only a single color
is improved so that the brightness of said image display unit is
increased compared to a display exposed to sequentially RGB
illumination.

S1
encl

13. (Previously Presented) A surgical microscope comprising:
a viewing unit for viewing an object and said viewing unit
defining a viewing beam path;

an image projection module for inputting image data into
said viewing unit;

45
5 said image projection module including an image display unit
for displaying said image data for transmission into said viewing
unit; and,

said image display unit including a reflection display
10 driven at a clock frequency and illuminated sequentially with
only a single color as a function of time.

14. (New) The surgical microscope of claim 1, wherein said
viewing unit defines a viewing beam path; and, said image
projection module includes a Galileo system comprising a
diverging lens and a converging lens arranged so as to permit
5 said image display unit to be optimally coupled into said viewing
beam path.

E6